

10/026, 418

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	43	Feb 13	CANCERLIT is no longer being updated
NEWS	44	Feb 24	METADEx enhancements
NEWS	45	Feb 24	PCTGEN now available on STN
NEWS	46	Feb 24	TEMA now available on STN

NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 48 Feb 26 PCTFULL now contains images  
NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 13:23:54 ON 13 MAR 2003

=> set abbr on perm  
SET COMMAND COMPLETED

=> set plurals on perm  
SET COMMAND COMPLETED

=> file uspatall caplus japio pctfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'USPATFULL' ENTERED AT 13:24:29 ON 13 MAR 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 13:24:29 ON 13 MAR 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 13:24:29 ON 13 MAR 2003  
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FILE 'JAPIO' ENTERED AT 13:24:29 ON 13 MAR 2003  
COPYRIGHT (C) 2003 Japanese Patent Office (JPO)- JAPIO

FILE 'PCTFULL' ENTERED AT 13:24:29 ON 13 MAR 2003  
COPYRIGHT (C) 2003 Univentio

=> s (phlegmatis? or flegmatiz?)(3a)(olefin# or hexene or aldehyde# or ketone# or  
methylstyrene or methyl (a) styrene)  
L1 6 (PHLEGMATIS? OR FLEGMATIZ?)(3A)(OLEFIN# OR HEXENE OR ALDEHYDE#  
OR KETONE# OR METHYLSTYRENE OR METHYL (A) STYRENE)

=> d 11 1-6 ibib abs

L1 ANSWER 1 OF 6 USPATFULL

ACCESSION NUMBER: 2002:172454 USPATFULL  
TITLE: Transportable and safely packaged organic peroxide  
formulations comprising reactive phlegmatisers  
INVENTOR(S): Waanders, Petrus Paulus, Goor, NETHERLANDS  
Fischer, Bart, Leusden, NETHERLANDS  
Roes, Johannes Isodorus, Epse, NETHERLANDS

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002091214	A1	20020711
APPLICATION INFO.:	US 2001-26418	A1	20011219 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2001-200427	20010205
	US 2000-257486P	20001222 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Richard P. Fennelly, Akzo Nobel Inc., 7 Livingstone Avenue, Dobbs Ferry, NY, 10522-3408	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	513	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a method to safely produce, handle and  
transport packaged organic peroxide formulations comprising a reactive  
phlegmatiser and to the use of such packaged material in polymerisation  
and polymer modification processes, particularly the high-pressure  
(co)polymerisation process of ethylene and/or the suspension  
(co)polymerisation process of styrene.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 2 OF 6 USPATFULL

ACCESSION NUMBER: 2002:99554 USPATFULL  
TITLE: Use of trioxepans in the process to make high-solid  
acrylic, styrenic, and LDPE-type resins  
INVENTOR(S): Hogt, Andreas H., Enschede, NETHERLANDS  
Meijer, John, Deventer, NETHERLANDS

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002052455	A1	20020502
APPLICATION INFO.:	US 2001-930403	A1	20010815 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2001-200100	20010112
	US 2000-225313P	20000815 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Richard P. Fennelly, Akzo Nobel Inc., 7 Livingstone Avenue, Dobbs Ferry, NY, 10522	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	485	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a polymerisation process wherein at least one  
initiator is selected from trioxepan compounds of formula I ##STR1##

with R.sup.1-3 being independently selected from substituted or unsubstituted hydrocarbyl groups. Preferably, R.sup.1 and R.sup.3 are selected from lower alkyl groups, such as methyl, ethyl, and isopropyl, while R is preferably selected from methyl, ethyl, isopropyl, isobutyl, amyl, isoamyl, cyclohexyl, CH.sub.3C(O)CH.sub.2--, C.sub.2H.sub.5OC(O)CH.sub.2--, HOC(CH.sub.3).sub.2CH.sub.2--, and  
##STR2##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 3 OF 6 USPATFULL

ACCESSION NUMBER: 75:997 USPATFULL  
TITLE: PASTES FOR USE IN HARDENING PUTTIES CONTAINING ORGANIC PEROXIDES  
INVENTOR(S): Jaspers, Hans, Burg Arriensweg 12, Diepenveen, Netherlands  
Torenbeek, Reinder, Van Hogendorpstraat 22, Twello, Netherlands

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3859240		19750107
APPLICATION INFO.:	US 1973-413765		19731108 (5)
RELATED APPLN. INFO.:	Division of Ser. No. US 1971-194700, filed on 1 Nov 1971, now patented, Pat. No. US 3806477, issued on 23 Apr 1974		

	NUMBER	DATE
PRIORITY INFORMATION:	NL 1970-15982	19701102
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Phynes, Lucille M.	
LEGAL REPRESENTATIVE:	Upchurch, Clelle W.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	230	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition in the form of a paste, for hardening putties, comprising a ketone peroxide, a phlegmatizer, a gelforming colloid, and an insoluble synthetic organic polymer or copolymer. Preferably, the polymer of copolymer has a particle size of .ltoreq.300.mu.. The gel-forming colloid comprises a cellulose derivative, and one or more coloring agents, pigments, sequestering agents for anti-oxidants may be present. The composition is conveniently packaged in a collapsible tube.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 4 OF 6 PCTFULL COPYRIGHT 2003 Univentio  
ACCESSION NUMBER: 2002051802 PCTFULL ED 20020716 EW 200227  
TITLE (ENGLISH): TRANSPORTABLE AND SAFELY PACKAGED ORGANIC PEROXIDE FORMULATIONS COMPRISING REACTIVE PHLEGMATISERS  
TITLE (FRENCH): FORMULATIONS DE PEROXYDE ORGANIQUE EMBALLEES AVEC SECURITE ET POUVANT ETRE TRANSPORTEES, COMPRENANT DES PHLEGMATISANTS REACTIFS  
INVENTOR(S): WAANDERS, Petrus, Paulus, Bentinckstraat 13, NL-7471 SL Goor, NL;  
FISCHER, Bart, Bitterschoten 42, NL-3831 PC Leusden, NL;  
ROES, Johannes, Isodorus, Middenweg 17, NL-7214 EM

PATENT ASSIGNEE(S): Epse, NL  
 AKZO NOBEL N.V., Velperweg 76, NL-6824 BM Arnhem, NL  
 [NL, NL]  
 AGENT: SCHALKWIJK, Pieter, Cornelis\$, Akzo Nobel N.V.,  
 Intellectual Property Dept. (Dept. AIP), P.O. Box 9300,  
 NL-6800 SB Arnhem\$, NL  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 DOCUMENT TYPE: Patent  
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2002051802	A1	20020704

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
 CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID  
 IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD  
 MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
 SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

RW (ARIPO):

GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

RW (EAPO):

AM AZ BY KG KZ MD RU TJ TM

RW (EPO):

AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
TR

RW (OAPI):

BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2001-EP14795 A 20011214

PRIORITY INFO.:

US 2000-60/257,486 20001222

EP 2001-01200427.1 20010205

ABEN The invention relates to a method to safely produce, handle and  
 transport packaged organic peroxide formulations comprising a reactive  
 phlegmatiser and to the use of such packaged material in polymerisation  
 and polymer modification processes, particularly the high-pressure  
 (co)polymerisation process of ethylene and/or the suspension  
 (co)polymerisation process of styrene.

ABFR L'invention concerne un procede permettant de produire, manutentionner  
 et transporter avec securite des formulations de peroxyde organique  
 emballees comprenant un phlegmatisant reactif. L'invention traite aussi  
 de l'utilisation de ce materiau emballe dans des processus de  
 modification de polymeres et de polymerisation, en particulier, le  
 processus de (co)polymerisation a haute pression de l'ethylene et/ou le  
 processus de (co)polymerisation en suspension du styrene.

L1 ANSWER 5 OF 6

PCTFULL COPYRIGHT 2003 Univentio

ACCESSION NUMBER:

2002014379 PCTFULL ED 20020711 EW 200208

TITLE (ENGLISH):

USE OF TRIOXEPANS IN THE PROCESS TO MAKE HIGH-SOLID  
ACRYLIC, STYRENIC, AND LDPE-TYPE RESINS

TITLE (FRENCH):

UTILISATION DES TRIOXEPANS POUR LA FABRICATION DE  
RESINES ACRYLIQUES, STYRENIQUES ET DE TYPE POLYETHYLENE  
BASSE DENSITE HAUTEMENT SOLIDES

INVENTOR(S):

HOGT, Andreas, Herman, Oldenzaalsestraat 203, NL-7523  
 AB Enschede, NL;  
 MEIJER, John, R. Heyligersstraat 18, NL-7415 ES  
 Deventer, NL

PATENT ASSIGNEE(S):

AKZO NOBEL N.V., Velperweg 76, NL-6824 BM Arnhem, NL  
[NL, NL]

AGENT:

SCHALKWIJK, Pieter, Cornelis\$, Akzo Nobel N.V.,  
 Intellectual Property Department (Dept. AIP), P.O. Box  
 9300, NL-6800 SB Arnhem\$, NL

LANGUAGE OF FILING:

English

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 2002014379      A1 20020221
DESIGNATED STATES
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
    CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
    IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
    MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
    TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
          TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.: WO 2001-EP9267      A 20010808
PRIORITY INFO.:  US 2000-60/225,313    20000815
                  EP 2001-01200100.4    20010112

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ABEN The invention relates to a polymerisation process wherein at least one initiator is selected from trioxepan compounds of formula I, with R<sp>1-3</sp> being independently selected from substituted or unsubstituted hydrocarbyl groups. Preferably, R<sp>1</sp> and R<sp>3</sp> are selected from lower alkyl groups, such as methyl, ethyl, and isopropyl, while R<sp>2</sp> is preferably selected from methyl, ethyl, isopropyl, isobutyl, amyl, isoamyl, cyclohexyl, CH<sb>3</sb>C(O)CH<sb>2</sb>-, C<sb>2</sb>H<sb>5</sb>OC(O)CH<sb>2</sb>-, HOC(CH<sb>3</sb>)<sb>2</sb>CH<sb>2</sb>-, and [...].

ABFR La presente invention concerne un procede de polymerisation dans lequel on utilise un initiateur choisi parmi les composes trioxepan representes par la formule generale (I). Dans cette formule, les R<sp>1-3</sp> etant choisis independamment les uns des autres dans les groupes des hydrocarbyles substitues ou non substitues. En outre, les R<sp>1</sp> et R<sp>3</sp> sont choisis dans les groupes alkyle inferieur tels que methyle, ethyl, et isopropyle, alors que R<sp>2</sp> est choisi de preference dans les groupes methyle, ethyle, isopropyle, isobutyle, amyle, isoamyle, cyclohexyle, CH<sb>3</sb>C(O)CH<sb>2</sb>-, C<sb>2</sb>H<sb>5</sb>OC(O)CH<sb>2</sb>-, HOC(CH<sb>3</sb>)<sb>2</sb>CH<sb>2</sb>-, et [...].

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L1      ANSWER 6 OF 6      PCTFULL  COPYRIGHT 2003 Univentio
ACCESSION NUMBER: 1999032584 PCTFULL ED 20020515
TITLE (ENGLISH):  IGNITION IMPROVED FUELS
TITLE (FRENCH):   CARBURANTS DOTES DE CARACTERISTIQUES D'ALLUMAGE
                  AMELIOREES
INVENTOR(S):      DE GROOT, Johannes, Jacobus;
                  HOGT, Andreas, Herman;
                  MEIJER, John
PATENT ASSIGNEE(S): AKZO NOBEL N.V.;
                  DE GROOT, Johannes, Jacobus;
                  HOGT, Andreas, Herman;
                  MEIJER, John
LANGUAGE OF PUBL.: English
DOCUMENT TYPE:     Patent
PATENT INFORMATION:

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NUMBER      KIND      DATE
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WO 9932584      A1 19990701
DESIGNATED STATES
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
    ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
    KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU
    ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ
    TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT

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	SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
APPLICATION INFO.:	WO 1998-EP8131                      A 19981214
PRIORITY INFO.:	EP 1997-97204051.3                  19971222
	US 1998-60/072,050                  19980121

ABEN A fuel is presented which is doped with 0.01-10 % by weight of cyclic ketone peroxide(s), characterized in that it comprises from 0.01 to 10 percent by weight of cyclic ketone peroxides of formula (I) wherein R1-R6 are independently selected from the group consisting of hydrogen, C1-C20 alkyl, C3-C20 cycloalkyl, C6-C20 aryl, C7-C20 aralkyl, and C7-C20 alkaryl, which groups may include linear or branched alkyl moieties; and each of R1-R6 may optionally be substituted with one or more groups selected from hydroxy, alkoxy, linear or branched alkyl, aryloxy, ester, carboxy, nitrile, and amido, with the proviso that said peroxides make up at least 35 % by weight of all peroxides in the fuel, to reduce the emission of pollutants when the fuel is used in a combustion engine. Also the process to make such fuels is presented.

ABFR Cette invention concerne un carburant dope avec 0,01-10 % en poids de peroxyde(s) de cétone cyclique, caractérise en ce qu'il renferme entre 0,01 a 10 % en poids de peroxydes de cétone cyclique de formule (I) ou: R1-R6 sont independamment choisis dans le groupe comprenant hydrogene, alkyle C1-C20, cycloalkyle C3-C20, aryle C6-C20, aralkyle C7-C20 et alkaryle C7-C20, lesquels groupes peuvent renfermer des fractions alkyle lineaires ou ramifiees, chacun des groupes R1-R6 pouvant etre eventuellement substitues par un ou plusieurs groupes choisis parmi hydroxy, alcoxy, alkyle lineaire ou ramifie, aryloxy, ester, carboxy, nitrile et amido, a condition que lesdits peroxydes representent au moins 35 % en poids de tous les peroxydes presents dans le carburant, le but etant de reduire les emissions polluantes lorsque ledit carburant est utilise dans un moteur thermique. L'invention concerne egalement un procede de fabrication de tels carburants.

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 SET ABBR ON PERM  
 SET PLURALS ON PERM

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO, PCTFULL' ENTERED AT 13:24:29 ON 13 MAR 2003

L1 6 S (PHLEGMATIS? OR FLEGMATIZ?) (3A) (OLEFIN# OR HEXENE OR ALDEHYDE

=> s (peroxy? or peroxide#) (5a) container#

L2 989 (PEROXY? OR PEROXIDE#) (5A) CONTAINER#

=> s (peroxy? or peroxide#) (5a) transport?

L3 780 (PEROXY? OR PEROXIDE#) (5A) TRANSPORT?

=> s 12 and (react? or polymerizable) (2a) diluent

L4 6 L2 AND (REACT? OR POLYMERIZABLE) (2A) DILUENT

=> s 13 and (react? or polymerizable) (2a) diluent  
L5 2 L3 AND (REACT? OR POLYMERIZABLE) (2A) DILUENT

=> d 14 1-6 ibib abs

L4 ANSWER 1 OF 6 USPATFULL

ACCESSION NUMBER: 2002:172454 USPATFULL  
TITLE: Transportable and safely packaged organic peroxide  
formulations comprising reactive phlegmatizers  
INVENTOR(S): Waanders, Petrus Paulus, Goor, NETHERLANDS  
Fischer, Bart, Leusden, NETHERLANDS  
Roes, Johannes Isidorus, Epse, NETHERLANDS

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002091214	A1	20020711
APPLICATION INFO.:	US 2001-26418	A1	20011219 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2001-200427	20010205
	US 2000-257486P	20001222 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Richard P. Fennelly, Akzo Nobel Inc., 7 Livingstone Avenue, Dobbs Ferry, NY, 10522-3408	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	513	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a method to safely produce, handle and  
transport packaged organic peroxide formulations comprising a reactive  
phlegmatizer and to the use of such packaged material in polymerisation  
and polymer modification processes, particularly the high-pressure  
(co)polymerisation process of ethylene and/or the suspension  
(co)polymerisation process of styrene.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 6 USPATFULL

ACCESSION NUMBER: 83:22530 USPATFULL  
TITLE: Resin composition for aqueous paint  
INVENTOR(S): Makuuchi, Keizo, Shimotakeshi, Japan  
Takagi, Tohru, Takasaki, Japan  
Nakayama, Hiroyuki, Ninomiyamachi, Japan  
Yamamoto, Tsutomu, Kamakura, Japan  
PATENT ASSIGNEE(S): Japan Atomic Energy Research Institute, Tokyo, Japan  
(non-U.S. government)  
Kansai Paint Co., Ltd., Hyogo, Japan (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4387011		19830607
APPLICATION INFO.:	US 1980-178907		19800818 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1979-107519	19790823
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Bleutge, John C.	



ASSISTANT EXAMINER: Lilling, Herbert J.  
LEGAL REPRESENTATIVE: Browdy & Neimark  
NUMBER OF CLAIMS: 5  
EXEMPLARY CLAIM: 1  
LINE COUNT: 659

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A resin composition for aqueous paint is produced by exposing to electron beams a mixture comprising 50 to 95 wt % of an epoxy resin, 1 to 23 wt % of an ethylenically unsaturated monomer having a carboxyl group and 4 to 44 wt % of a monomer having one ethylenically unsaturated bond in the molecule. The resin composition provides a coating having good coating surface, adhesion strength, solvent resistance, water resistance and processability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 6 USPATFULL

ACCESSION NUMBER: 82:43543 USPATFULL  
TITLE: Preparation of vinyl ester resin polymer spheres  
INVENTOR(S): Pruess, Warren W., Lake Jackson, TX, United States  
PATENT ASSIGNEE(S): The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4348309		19820907
APPLICATION INFO.:	US 1980-195564		19801009 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Schofer, Joseph L.		
ASSISTANT EXAMINER:	Lipman, B.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	297		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Spheres of cured vinyl ester resin of a size useful as a flattening agent in paper coating compositions are prepared by a process of adding an aqueous phase containing polyvinyl alcohol to a stirred vinyl ester resin phase containing a free-radical catalyst to form a resin-in-water dispersion followed by addition of a promoter and the resin allowed to cure.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 6 USPATFULL

ACCESSION NUMBER: 79:43175 USPATFULL  
TITLE: Impregnated castings chemically resistant to contact with halocarbon refrigerant  
INVENTOR(S): Gainer, Gordon C., Penn Hills, PA, United States  
Luck, Russell M., Monroeville, PA, United States  
PATENT ASSIGNEE(S): Westinghouse Electric Corp., Pittsburgh, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4172178		19791023
APPLICATION INFO.:	US 1978-903376		19780505 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Cannon, J. C.		
LEGAL REPRESENTATIVE:	Cillo, D. P.		
NUMBER OF CLAIMS:	9		

EXEMPLARY CLAIM: 1,6  
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 2 Drawing Page(s)  
LINE COUNT: 650

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A metal casting, containing connected pores, is impregnated with a halocarbon resistant barrier resin, consisting essentially of the admixture of a polyester resin, and from about 1 wt. % to about 70 wt. % of a polyfunctional monomer modifier selected from the group consisting of trimethylolpropane triacrylate, divinyl benzene, pentaerythritol triacrylate or their mixtures, which after curing provides a casting which is resistant to chemical and solvent attack by chlorodifluoromethane and dichlorodifluoromethane and which is impervious to gases and liquids.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 6 USPATFULL

ACCESSION NUMBER: 78:34096 USPATFULL  
TITLE: Dental restorative composition containing oligomeric BIS-GMA resin and Michler's ketone  
INVENTOR(S): Reaville, Eric T., Webster Groves, MO, United States  
Streicher, Gudrun M., St. Louis, MO, United States  
PATENT ASSIGNEE(S): Monsanto Company, St. Louis, MO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4097994		19780704
APPLICATION INFO.:	US 1975-634554		19751124 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Turer, Richard B.		
LEGAL REPRESENTATIVE:	Meyer, Scott J., Upham, John D.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	344		

AB A dental restorative composition and tooth coating comprising the combination of an adhesive resin of the oligomeric BIS-GMA type, a low molecular weight **reactive** extender or **diluent** acrylate, an organic peroxide catalyst or free radical initiator and, as a photosensitizer, Michler's ketone.

L4 ANSWER 6 OF 6 PCTFULL COPYRIGHT 2003 Univentio

ACCESSION NUMBER: 2002051802 PCTFULL ED 20020716 EW 200227  
TITLE (ENGLISH): TRANSPORTABLE AND SAFELY PACKAGED ORGANIC PEROXIDE FORMULATIONS COMPRISING REACTIVE PHLEGMATISERS  
TITLE (FRENCH): FORMULATIONS DE PEROXYDE ORGANIQUE EMBALLEES AVEC SECURITE ET POUVANT ETRE TRANSPORTEES, COMPRENANT DES PHLEGMATISANTS REACTIFS  
INVENTOR(S): WAANDERS, Petrus, Paulus, Bentinckstraat 13, NL-7471 SL Goor, NL;  
FISCHER, Bart, Bitterschoten 42, NL-3831 PC Leusden, NL;  
ROES, Johannes, Isodorus, Middenweg 17, NL-7214 EM Epse, NL  
PATENT ASSIGNEE(S): AKZO NOBEL N.V., Velperweg 76, NL-6824 BM Arnhem, NL [NL, NL]  
AGENT: SCHALKWIJK, Pieter, Cornelis\$, Akzo Nobel N.V., Intellectual Property Dept. (Dept. AIP), P.O. Box 9300, NL-6800 SB Arnhem\$, NL

LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2002051802	A1	20020704

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID  
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD  
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

RW (ARIPO):

GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

RW (EAPO):

AM AZ BY KG KZ MD RU TJ TM

RW (EPO):

AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
TR

RW (OAPI):

BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2001-EP14795 A 20011214

PRIORITY INFO.:

US 2000-60/257,486 20001222  
EP 2001-01200427.1 20010205

ABEN The invention relates to a method to safely produce, handle and transport packaged organic peroxide formulations comprising a reactive phlegmatizer and to the use of such packaged material in polymerisation and polymer modification processes, particularly the high-pressure (co)polymerisation process of ethylene and/or the suspension (co)polymerisation process of styrene.

ABFR L'invention concerne un procede permettant de produire, manutentionner et transporter avec securite des formulations de peroxyde organique emballees comprenant un phlegmatisant reactif. L'invention traite aussi de l'utilisation de ce materiau emballe dans des processus de modification de polymeres et de polymerisation, en particulier, le processus de (co)polymerisation a haute pression de l'ethylene et/ou le processus de (co)polymerisation en suspension du styrene.

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L4 ANSWER 5 OF 6 USPATFULL

AB A dental restorative composition and tooth coating comprising the combination of an adhesive resin of the oligomeric BIS-GMA type, a low molecular weight **reactive** extender or **diluent** acrylate, an organic peroxide catalyst or free radical initiator and, as a photosensitizer, Michler's ketone.

SUMM In the foregoing BIS-GMA dental restorative compositions, the low molecular weight methyl methacrylate serves essentially as a **reactive** extender or **diluent** to reduce the viscosity of the compositions, as noted in U.S. Pat. Nos. 3,066,122, 3,539,533 and 3,709,866, whereby they can be conveniently used in dental applications. The benzoyl methyl ether is employed in these compositions as a photosensitizer. This is a substance which absorbs actinic radiation so as to produce free radicals which initiate polymerization and cross-linking reactions.

SUMM In general, the photo-polymerizable composition of the present invention comprises the combination of an adhesive resin of the oligomeric BIS-GMA type, a low molecular weight **reactive** extender or **diluent** acrylate, a peroxide catalyst or free radical initiator and the aforementioned Michler's ketone.

DETD The **reactive** extender or **diluent** acrylate used in the present invention is a relatively low molecular weight, low

viscosity, aliphatic methacrylate monomer such as, for example, methyl methacrylate, ethyl methacrylate, n-propyl methacrylate, iso-propyl methacrylate, n-butyl methacrylate, iso-butyl methacrylate, sec-butyl methacrylate, tert-butyl methacrylate, the amyl methacrylates, ethylene dimethacrylate, butylene dimethacrylate, ethylene glycol monomethacrylate, ethylene glycol dimethacrylate, triethylene glycol dimethacrylate and tetraethylene glycol dimethacrylate. These diluents are used in amounts sufficient to lower the viscosity and make the oligomeric BIS-GMA resin composition pourable at ordinary room temperatures such as at about 20.degree.-25.degree. C. Generally, use of from about 30% to about 80% by weight of the oligomeric BIS-GMA polymer with from about 70% to about 20% by weight of the diluent acrylate is suitable and use of about equal parts by weight of the oligomeric BIS-GMA and the diluent acrylate is preferred.

DETD In practice, the composition of this invention can be packaged in kit form suitable for distribution to dentists and dental supply houses. For this purpose and in order to promote shelf stability, it is desirable to divide the components into at least two parts in which the organic peroxide free radical initiator is separate from the oligomeric BIS-GMA type resin. In this kit form, the diluent acrylate and Michler's ketone can be conveniently placed in admixture with the resin in one **container** and the benzoyl **peroxide** can be conveniently put into admixture with an organic solvent in a second container to thereby reduce the number of containers used. Prior to use, the dentist or dental technician can readily combine the contents of the two containers to thereby render the complete composition into an admixture suitable for application to teeth.

DETD In the foregoing mixtures, hexadecanol was used as a common solvent to vary the consistency of the compositions being tested and squalene was used as a well-known singlet oxygen acceptor. In Mixtures E and F, methyl methacrylate was used as a **reactive diluent** to provide a viscosity equivalent to that of Mixtures B and C, respectively.

CLM What is claimed is:

6. The composition of claim 1 in kit form suitable for use by admixture thereof in which the organic **peroxide** is packaged in a **container** separate from the oligomeric resin.

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L5 ANSWER 2 OF 2 PCTFULL COPYRIGHT 2003 Univentio

TIEN **TRANSPORTABLE AND SAFELY PACKAGED ORGANIC PEROXIDE**  
FORMULATIONS COMPRISING REACTIVE PHLEGMATISERS

ABEN The invention relates to a method to safely produce, handle and **transport** packaged organic **peroxide** formulations comprising a reactive phlegmatizer and to the use of such packaged material in polymerisation and polymer modification processes, particularly the high-pressure (co)polymerisation process of ethylene and/or the suspension (co)polymerisation process of styrene.

ABFR L'invention concerne un procede permettant de produire, manutentionner et **transporter** avec securite des formulations de **peroxyde** organique emballees comprenant un phlegmatisant reactif. L'invention traite aussi de l'utilisation de ce materiau emballe dans des processus de modification de polymeres et de polymerisation, en particulier, le processus de (co)polymerisation a haute pression de l'ethylene et/ou le processus de (co)polymerisation en suspension du styrene.

DETD **TRANSPORTABLE AND SAFELY PACKAGED ORGANIC PEROXIDE**  
FORMULATIONS COMPRISING REACTIVE PHLEGMATISERS

The invention relates to containers containing specific organic peroxide formulations that can be handled, produced, and shipped in a safe manner and where the organic peroxide formulations contained therein can be used in polymerisation processes where the resulting polymer has a reduced level of undesired residues of low-molecular weight and/or inert phlegmatising agents.

Surprisingly, we have found that containers with a size of more than 1 litre and containing organic peroxides and **reactive diluents** can nevertheless be shipped in a safe fashion at temperatures above -20°C, preferably above -10°C, more preferably above 0°C. The use of the **reactive diluent** gives the benefit of reduced unbound phlegmatizer in the polymer (so that the polymer contains less volatile product). Particularly in a high-pressure ethylene (co)polymerisation process, the phlegmatizer is consumed without the properties of the polymer being changed and without the polymerisation process being adversely affected. The reduced unbound phlegmatizer levels improve the organoleptic properties of the resulting (co)polymer and may even obviate a vacuum treatment of the molten polymer to reduce volatile material.

Accordingly, we claim a method to safely **transport specific peroxide** formulations comprising reactive phlegmatizers, containers comprising such specific **peroxide** formulations that are safely **transportable**, some preferred **peroxide** formulations that can be **transported** /shipped in such a fashion, and the use of the preferred peroxide formulations in polymerisation processes, particularly the (co)polymerisation process of ethylene at high pressure to make so-called (modified) low density polyethylene (LDPE) and the suspension polymerisation process to make expandable polystyrene.

More specifically, we claim a method to safely **transport peroxide** formulations in containers having a size greater than 1 litre, characterised in that the containers are filled with.

Since the thus **transportable peroxide** formulations are pre-eminently suited for use in high-pressure ethylene polymerisation processes, a further preferred embodiment of the invention is the method to (co)polymerise ethylene in a conventional high-pressure radical polymerisation process in which

peroxides  
are produced at another site (i.e. off-site), formulated with a reactive  
phlegmatiser, safely transported to the polymerisatio'n site, and used  
in the  
polymerisation process.

Since the thus **transportable peroxide** formulations  
are pre-eminently suited for  
use in styrene suspension polymerisation processes, a further preferred  
embodiment of the invention is the method to (co)polymerise styrene in a  
conventional suspension polymerisation process in which peroxides are  
produced at another site (i.e. off-site), formulated with a reactive  
phlegmatiser,  
safely transported to the polymerisation site, and used in the  
polyrnerisation  
process.

CLMEN A method to safely **transport peroxide** formulation in  
containers having a  
size greater than 1 litre, characterised in that the containers are  
filled  
with:  
from 90 to 1 %w/w of one or more peroxides selected from the group  
consisting of peroxyesters, including peroxyester derivatives of  
ketone - peroxides, peroxycarbonates, including peroxycarbonate  
derivatives of ketone peroxides, diacylperoxides with from 1 to 48  
carbon atoms, diperoxyketals, trioxepans, dialkylperoxides, mixed  
peroxides, and mixtures of any two or more of these peroxides,  
from 10 to 99%w/w of one or more phlegmatisers with a aoint) flash  
point greater than YC and a Ooint) boiling point that is more than  
60'C higher than the self-accelerating decomposition temperature of  
the peroxide formulation, said phlegmatiser being selected from the  
group of compounds that react effectively in the polymerisation  
process,  
0-75%w/w of optional conventional phlegmatisers,  
up to a total of 1 00%,  
with the proviso that it is not a formulation of tert.butyl  
peroxymaleate with  
dibutylmaleate.

2 A method to produce a polymer by means of a radical polymerisation  
process wherein at least 25%w/w of the- phlegmatiser that was used to  
phlegmatise the peroxide or peroxides used as a source of free radicals  
in said process is reacted such that it is not extractable from the  
polymer  
by **transporting a peroxide** formulatio-n-containing  
container according to  
claim 1 to the polymerisation unit and introducing its content into the  
polymerisation process.

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L5 ANSWER 1 OF 2 USPATFULL

ACCESSION NUMBER: 2002:172454 USPATFULL

TITLE: **Transportable** and safely packaged organic  
**peroxide** formulations comprising reactive  
phlegmatisers

INVENTOR(S): Waanders, Petrus Paulus, Goor, NETHERLANDS  
Fischer, Bart, Leusden, NETHERLANDS  
Roes, Johannes Isidorus, Epse, NETHERLANDS

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002091214	A1	20020711
APPLICATION INFO.:	US 2001-26418	A1	20011219 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2001-200427	20010205
	US 2000-257486P	20001222 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Richard P. Fennelly, Akzo Nobel Inc., 7 Livingstone Avenue, Dobbs Ferry, NY, 10522-3408	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	513	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a method to safely produce, handle and **transport** packaged organic **peroxide** formulations comprising a reactive phlegmatiser and to the use of such packaged material in polymerisation and polymer modification processes, particularly the high-pressure (co)polymerisation process of ethylene and/or the suspension (co)polymerisation process of styrene.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 2 PCTFULL COPYRIGHT 2003 Univentio  
ACCESSION NUMBER: 2002051802 PCTFULL ED 20020716 EW 200227  
TITLE (ENGLISH): **TRANSPORTABLE AND SAFELY PACKAGED ORGANIC PEROXIDE FORMULATIONS COMPRISING REACTIVE PHLEGMATISERS**  
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INVENTOR(S): WAANDERS, Petrus, Paulus, Bentinckstraat 13, NL-7471 SL Goor, NL;  
FISCHER, Bart, Bitterschoten 42, NL-3831 PC Leusden, NL;  
ROES, Johannes, Isidorus, Middenweg 17, NL-7214 EM Epse, NL  
PATENT ASSIGNEE(S): AKZO NOBEL N.V., Velperweg 76, NL-6824 BM Arnhem, NL [NL, NL]  
AGENT: SCHALKWIJK, Pieter, Cornelis\$, Akzo Nobel N.V., Intellectual Property Dept. (Dept. AIP), P.O. Box 9300, NL-6800 SB Arnhem\$, NL  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES	WO 2002051802	A1	20020704

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID  
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD  
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
 RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
 TR  
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 APPLICATION INFO.: WO 2001-EP14795 A 20011214  
 PRIORITY INFO.: US 2000-60/257,486 20001222  
 EP 2001-01200427.1 20010205

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 and/or the suspension (co)polymerisation process of styrene.  
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 polymerisation, en particulier, le processus de (co)polymerisation a  
 haute pression de l'ethylene et/ou le processus de (co)polymerisation en  
 suspension du styrene.

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

86.84

87.05

STN INTERNATIONAL LOGOFF AT 13:42:17 ON 13 MAR 2003